

ABSTRACT

[0081] A method for joining fabrics, particularly high strength fabrics such as airship hull fabrics, including the steps of: measuring selected parameters of two fabric layers to be joined and the adhesive and any tape or other materials intended to be included in the joint; calculating therefrom an optimal value of a quality control parameter of an ideal joint, such as joint thickness, specific gravity or opacity; assembling the two fabric layers and other materials in the desired order; and applying heat and pressure to the assemblage until the selected quality control parameter of the joint, such as joint thickness, specific gravity or opacity, is satisfied.